

~~TOP SECRET~~



**PHOTOGRAPHIC  
INTERPRETATION  
REPORT**

**NATIONAL PHOTOGRAPHIC  
INTERPRETATION CENTER**

**SHANG-HAI SHIPYARD EXPANSION  
CHINA**

25X1

~~TOP SECRET~~

25X1

**APRIL 1971  
COPY NO 120  
6 PAGES  
PIR-014/71**

GROUP 1. EXCLUDED FROM  
AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION

**Page Denied**

TOP SECRET RUFF

25X1

INSTALLATION OR ACTIVITY NAME				COUNTRY	
Shang-hai Shipyard Expansion				CH	
UTM COORDINATES	GEOGRAPHIC COORDINATES	BE NUMBER	COMIREX NO.	NIETB NO.	
NA	See below	See below	See below	See below	
MAP REFERENCE					
SAC. USATC, Series 200, Sheets 0492-2 and 7, scale 1:200,000					
NEGATION DATE (if required)			NA		
NPIC PROJECT			143302NE		

25X1

25X1

Item No*	Installation	Geographic Coordinates
1	Shang-hai Naval Base and Shipyard	31-16-49N 121-34-02E
2	Shang-hai Shipyard	31-16-59N 121-33-34E
3	Shang-hai Shipyard	31-14-41N 121-30-23E
4	Shang-hai Shipyard	31-13-00N 121-30-17E
5	Shang-hai Shipyard	31-12-47N 121-30-10E
6	Shang-hai Shipyard	31-12-41N 121-29-38E
7	Shang-hai Shipyard	31-11-40N 121-29-07E

\*Item numbers keyed to Figure 1

ABSTRACT

1. A major shipyard expansion program has been underway at Shang-hai. This report describes the construction and expansion projects at seven specific shipyards. The report, based on photography between May 1969 and February 1971, contains text, a location map, six photographs, and references.

INTRODUCTION

2. A major shipyard expansion program has been underway at seven shipyards on the Huang-pu River in the eastern part of Shang-hai (Figure 1).

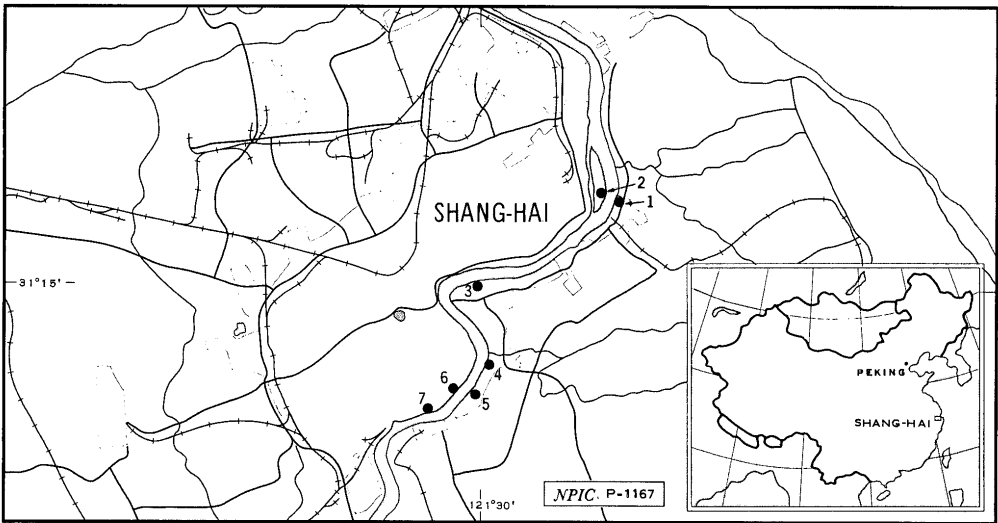


FIGURE 1. LOCATION MAP

TOP SECRET RUFF

25X1

**TOP SECRET RUFF**

25X1

3. Prior to the present expansion program only one shipyard, Shang-hai Shipyard Kiang-nan Dock Company [REDACTED], could build 10,000-deadweight-ton (DWT) cargo vessels. When the present expansion project is completed, five shipyards in the Shang-hai area will probably be able to construct 10,000-DWT cargo vessels. The ship construction tonnage from the Shang-hai shipyards should increase significantly within the next year.

25X1

**BASIC DESCRIPTION**

Shang-hai Naval Base and Shipyard Hu-tung [REDACTED]

25X1

4. Two large inclined buildingways, approximately 175 by 25 meters (574 by 80 feet)\*, have been built since May 1969 (Figure 2). Construction on the upstream inclined buildingway began after May 1969 and was completed by April 1970. Between April and August 1970, a large passenger cargo vessel, approximately 140 meters (460 feet) long, was built on the upstream way. In February 1971 it was being fitted out at the yard. The second inclined buildingway was constructed between August 1970 and January 1971. A craneway with one portal jib crane is between the two inclined ways. In February 1971 a second craneway was under construction next to the upstream way.

\*Measurements are PI-derived and approximate.

25X1

**TOP SECRET RUFF**

25X1

**TOP SECRET RUFF**

25X1

Shang-hai Shipyard Chung-hua

25X1

5. In February 1971 two of the inclined buildingways were being lengthened (Figure 3). The downstream way will be lengthened from 82 meters (270 feet) to approximately 122 meters (400 feet). The first indication of the lengthening of the downstream way was observed on photography of November 1970. In February 1971 construction activity indicated the initial expansion of the middle inclined buildingway. The length of the way could not be determined because construction was in a very early stage. Several storage or shop buildings were also being built.

25X1

Shang-hai Shipyard Pu-tung

25X1

6. Between October 1969 and April 1970 the craneway and the upstream inclined buildingway were both lengthened (Figure 4). In April 1970 a cargo vessel, 161 meters (528 feet) long, was under construction. This vessel was the first major construction effort at this yard and was reported to have been launched in May 1970.<sup>1</sup> During late 1970 construction of two fabrication/shop buildings was started. By February 1971 one of the buildings had been completed, and the second was near completion.

25X1

**TOP SECRET RUFF**

25X1

**TOP SECRET RUFF**

25X1

Shang-hai Shipyard Tung-chia-tu [REDACTED]

25X1

7. Since October 1969 two fabrication buildings, a machine shop, and two other support buildings have been added to the yard. The yard is capable of building and repairing small combatants.

Shang-hai Shipyard Pu-tung 5 [REDACTED]

25X1

8. Expansion of the yard began after May 1969 (Figure 5). Photography of October 1969 revealed that construction was underway on a new upstream fitting-out area and on a new inclined buildingway approximately 152 meters (500 feet) long. The new way, which replaced three small marine railways, was completed between October 1969 and April 1970. When the way was completed, construction on the yard's first large cargo vessel began. The vessel has since been launched, and in February 1971, it was at the recently completed upstream fitting-out area. Also in February 1971, a craneway which had previously been extended inland was being extended into the river. Next to and downstream from the craneway a second large inclined buildingway may have been in an initial stage of construction. The former downstream fitting-out wharf has been dismantled and was being replaced by a large wharf.

25X1

**TOP SECRET RUFF**

25X1

**TOP SECRET RUFF**25X1  
25X1

Shang-hai Shipyard Chiu-hsin

25X1

9. In April 1970 dismantling of the middle and downstream ways was begun (Figure 6). By February 1971 the ways had been dismantled and part of the fabrication building behind the former ways had been razed. Removal of the fabrication building in addition to clearing of the area where the two ways were dismantled would allow space for one large inclined buildingway. The craneway next to this area was being rebuilt in February 1971.

25X1

Shang-hai Shipyard Kiang-nan Dock Company

25X1

10. Between May and October 1969 construction work began on lengthening the downstream inclined buildingway and on extending the adjacent craneway into the river (Figure 7). By October 1970 the buildingway was completed, and by February 1971 the craneway extension was completed. In February 1971, early construction activity possibly indicated that another large inclined buildingway was under construction. If construction continues on the possible buildingway, the shipyard will have three inclined buildingways which are more than 190 meters (625 feet) long. When this expansion is completed, this shipyard will have the largest combatant or cargo ship construction capability in the Shang-hai area.

25X1

**TOP SECRET RUFF**

25X1

TOP SECRET RUFF

25X1

REFERENCES

25X1

MAPS OR CHARTS

SAC. USATC, Series 200, Sheets 0492-2 and 7, scale 1:200,000

DOCUMENTS

1. Foreign Broadcast Information Service, 13 May 70 (UNCLASSIFIED)

REQUIREMENT

NPIC/IEG/EGD/SECB Project 143302NE

TOP SECRET RUFF

25X1



**TOP SECRET**

f  
:  
b

f  
:  
b

f  
:  
b

**TOP SECRET**